

Appl. No. 08/905,508  
Amdt. dated December 12, 2003  
Reply to Office Action of December 4, 2003

PATENT

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claims 1-36 (cancelled)

37. (currently amended) A method of inhibiting the pathological proliferation of ovarian cancer cells in a patient that has a population of ovarian cancer cells comprising cancer cells in which ~~3q26~~ 3q26.3 is amplified, the method comprising administering a therapeutically effective dose of an inhibitor of PI<sub>3</sub> kinase to the patient, wherein the inhibitor inhibits PI<sub>3</sub> kinase enzymatic activity.

38. (currently amended) The method of claim 37, wherein the inhibitor of PI<sub>3</sub> kinase is a non-peptidic inhibitor of PI<sub>3</sub> kinase phosphoinositide phosphorylation enzyme activity.

39. (previously presented) The method of claim 38, wherein the non-peptidic inhibitor is LY294002.